Sequence Listing
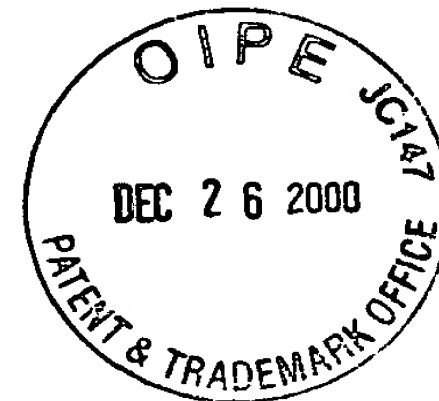
<110>   Rudland, Philip S.

          Barraclough, Roger B.

<120>   Metastasis Inducing DNA's

<130>   WPT 0114 PUS

<140>   US 09/101,423

<141>   1998-11-27

<150>   PCT/GB97/00074

<151>   1997-01-10

<160>   8

<210>   1

<211>   1033 base pairs

<212>   DNA

<213>   Homo sapiens

<400>   1

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cttgacagac tctgggacag tcccctctgc tctcctgttg gcgcctgagt cccttttttgc   120

ctgaggaccc ttcacgtagc ctcccatctg gatgacctag tagaagacgt gggaagttgt   180

cacactcagg taactgagca gagctcagag atttaaagtg agtctgggga gcctcgagga   240

ttgatctgct gccttaaaaa gccaattgga tgactaaccc agactattgt cactttaggt   300

gggaagtcac tagcatatct gatgggtcac atctgagaaa ggtttctagc agtggtggcc   360

ttgtgtgagc agcatggcgt gtatcatggt gtgcagcata ctcaggctgc ttgcaacact   420

cgaggctctt cttcagtatt aggggaacca ctggtgttga acatggtcca agaatacagt   480

catgtgagga gaatcccaat gcgtcaggag aaaacgagag tctgtgacct ccattcttca   540

agatacagaa ttattcttgg actgtgtttt catgctcctt gtggatggga gtgagtttac   600

ttcaggttaa tcagcattgc ttactgttgg tattcaagta aatgcttaaa ttatcctgga   660

tatacctctg tgggaagcag gtttttgata catgcagctt gtccttgtga ttgatactgc   720

ttgaactcaa gagaactttg ctcatgtgat ctttcttaac cgatggagta gaaactgtct   780

gatgctctca ataaagttgg ctcttgcacg agacgttagt ctgtcctgtt tatctgctcc   840

attcttccgc tcccacggcc tctacagcac taaacccacc accgatagac tcagtctttc   900

actgacaaac atcaccagag gctcttaact gagattataa actgttacta gatgatgggt   960

tgaatcgctc cccagaaaca taaacattta cttggagaac tcaagacccc tttgtagaca   1020

taactcccat ggt   1033

<210>   2
<211>   1058 base pairs
<212>   DNA
<213>   Homo sapiens
<400>   2
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aatgggttga aattctgtgc cacaaacgct ctccatgttt tcacaattac acttgcaacc   120

tgtggtcagc agccagaatt tagggatgtg atgggacagg gtcggggaaa gaaggagaag   180

ggtaaaggaa agacagcacg ttaaagtcca aacagctcca ggagactatc tgtagaaata   240

acatcagacc atgaggagaa ttgatatcat tgtttttcaa tgggtatcgc caagggaact   300

ttccatctga ttaaaaataa ttactgctgg cactaaatcc aattggaaat gccccacaca   360

atttatcttc cacttcatgc tgctaccata tgcctgacgt ggcggagcag aagcattccc   420

tcccgttctg ataaatagta ctttgtaaat atttggagac gggagctctg gtgacaggga   480

acacgtacaa accggcctgt ttatcatgtt cccgatagag gccctctttg acgtacagga   540

ccccaaaaca gtcaggatgc tgtgaatttc cttccatgaa gccttgttca caattagcaa   600

ccattggagg aagcaggctg cactgtctac cacaagtggc actttccaaa gagcacacat   660

atattggagc aagacatttt gctggctgac tggtgctgtg taagctgata aactgctata   720

tttattaaac tggctttct ttgaacaccc cactcaagga aaaaaaaaca cacttagggt   780

gacattattt ggagatgaag tctttataga gatgcttaag tttaaacgag acttttaaag   840

ccggctctat tccatttaat gaatggtgtc cctacaaagg aagaaactgg gacagaggta   900

tgtacacttg tgtgtgtgtg agagacaacg tgaggagctg aagaggagca cgtacaagtc   960

agagaaaggc tgacccttat tcacactgag caaaccagtc atgtgtgggt cgatagatga   1020

gagtatcccc caagactcac acattcgaac gcttggtc   1058

<210>   3
<211>   1008 base pairs
<212>   DNA

<213>   Homo sapiens

<400>   3

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aggggcgaac tgcacacaca tgtgcacata cacttacaga gacacacatt cagcagcata   120

agaacacaat cacaaataaa aaaaatcttg aaaaatttta agctaaaatt gttaagaaat   180

aacatatata caatttttct ttattttttt aaagatttat ttatttaatg tatatgagta   240

cactgcctct ccctccagac atagcagtac agggcatcgg atcccattac agatggttgt   300

gagccaccat gtggtttcac agatggttgt gagccaccat gtggtttcag gaattgaact   360

caggaccttt ggaagagcag tcagtgctct taacctctaa gccatctctc ctgaccctta   420

tatacaattt taatgctacg tacacacaac ttctctttcc tttaatggtt gagatttttg   480

tctggagaag taagaataaa ggagggaaag aacattgctt tcacattgca ccagtgggaa   540

cagcgtgttt aaagtaggaa tgccatgaaa tgactggcct gccttctcat tactgttcct   600

cccactcctc cttttaactg gagctccttt atctaattta ttagtttgac gatacccagg   660

gttttcttct gttttgatct ttttaagaca gagactcacc atatagccct ggctggcctg   720

aagctcacta tgtagaccag tctggccttg aactcaaagg agatctatct gcttcctagt   780

gctgggatta aaggcttgtg ctaccaagtc tggtctgagg ctttggagca gcctcggttt   840

tggccttctt taaggatctc taagctagca gtaagtagcc tagccatgct gttgtaggaa   900

gttgttcgtt catcctggct ccagcacaaa ggcagtcact aaacgtcggc ctcatttcat   960

cagagctgaa tgcaaattcc ttgtgctctt cctgtgtcct cctggaac   1008

<210>   4

<211>   1088 base pairs

<212>   DNA

<213>   Homo sapiens

<400>   4

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atttccaatg gaaaggactg ctaattgggg aggcaatgtt gcttaattgg gacacctgcg   120

ggtaattaaa agctctctcc cagtggcctt tcctgttttt ggctctggga ggcgaaggca   180

ttgagaggga tgcaggcatt ctaagggctg gttcttggtt tctcccttcc cctctgtcca   240

aactcagtga ggtatccctg tctgtgctgt ccttagagtg ccgtcctgag gccttggtga   300

gttaaggtct ctggatctga gctgcctcag ggaaacgcat gagctcattg gaaaggggag   360

aaccaggcaa aggtgttggc tgtgacctca gaattctgag gggcaaaggt tcaaggctaa   420

ctctcattat agagcaagtt tgagactggc ctgggaacaa aaatataaag tgagtgaggt   480

catatgacag cacctgagga gtcctgtccc tagagatcat aaggacctgg ctgctgggga   540

cttgttgcag atggcacttt gtgtcgagag aggggacctg ccccagcatg ggaggccctg   600

gaagatcctc tggattaact gtgaacactg attgctgctt tatacctgga gttgtgctgt   660

tatctggtac acatctgctg ggtgaatgag ttcatgggct ttatttcagt gaggtattta   720

cctgaggaga aagaaggact ggtgccacaa agcacagctt ttaaatctgt gggttgtgac   780

ccattatgga ctatcataac tgagtgcagg tatcaagaat actttagcag gtggtaaaaa   840

gatttttgaa tgcgcaacga ccaaaactga actcaaaaat caagcatggc atggatcctg   900

ggtgctcctg gaagcacttg cctttactgc attgtgcgac ttgacggtag ccttggttct   960

gaatgcacaa cacgtgggct ttgggctgca caggccacca cgccgtgcct gaaacacctc   1020

agctcaggtt tgtggctatg tcctatgact tggacttact tttattgcac atataaatat   1080

tttcctgc   1088

<210>   5
<211>   960 base pairs
<212>   DNA
<213>   Homo sapiens

<400>   5
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cgggttagaa atttaaaagc cctgaggggga atttttttttt taaatcgcta tgaatctgac   120

atgagaaaaa cagatcagaa acgttcttgt gcttcagaaa aggacaagtg tgtgagctaa   180

cagactgcac actggtgttc gaggcacatc tggatcacag gagcgtcaga taatgtcccc   240

aaaggtaaat gcatttgctt gcacagtacc gagtgtggtg gggggtgcct acagcccagc   300

ggttctcaac cttcctgatg cttcgaccct ttaatacagt gcctcatgct ctggtgacct   360

ccccaacctt aaaattattt ttgttgctgt tcataactgt gattttgata ctgttatgaa   420

ttgtaatata aataattttg aagaaagagg tttgccaagg gtttgagaac tgctgttcta   480

gccccacgtg gatggttttt cgtcatttgg ggtttttatg aggcagagtc ttatgtagcc   540

caggctagca gcctagaatg tgctacttag ctgaggaata accttggaac ttctgaggac   600

tggagagact ggcttagtcc tcaagaaact ggaaatagct ggagtttggc tacttgtggg   660

ttcctttttc ttcaaacctt ttctactctt tttccaccct gtcggccccc taacactaaa   720

taagaaagag aaaggggagc atagaggggga aaagaaaccc ctgaataacg tcagtagttg   780

gcaaaggggg gtgacatatg ttgtcattag accacatcct ggtgattaag gggagtcaag   840

ttccttgggg caagtttgat ctttcgtgta acgatatcta atttcttctc cctgttgctt   900

cgtctttgtg aacaacgact tgataaccca caatggacca tcaaccaacc aaccaaccat   960

<210>   6
<211>   1090 base pairs
<212>   DNA
<213>   Homo sapiens

<400>   6
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tgtgtcagga gtgctgtaga cctattttcc tgttttcttt cagccagtta caggaacaga   120

gtgttctact gtcagatgtg tagctgttcc tgtccactga ctttcaagct gtctctgtgt   180

gcaggaacca gaagggcctg tccctacttc tactgggccc ctacgcacag ggggcctaga   240

tggtgctagg tgttttcctc tagagcctga aatgtgggca gagagtagtc tcctctggtt   300

tcctaggtat gtcttcccct ctgaaggtct agctctccct tccatgggat atgggtgcag   360

ggagctgttt gaccaggtcc tctcaaatcc gggtgcagtc tggaccgcag gctcctgtag   420

cttgcctgct gcaatcttcc cgcacccaga ggcacccaag tttcctcttg ggccaaggat   480

gtgggcaaag gtgggcagaa gtggcaatct ctcctgccct agcgtctcag gattgccctc   540

acttctgggc aatccgctct ctcttccaca gggtttggga gcagggagct gtgggccggt   600

atcaggcaaa ggtttgaggc aaccagttag aaactggaag tgtcaggtcc cagaggaatt   660

ttgcctttgt gtgtcctgag tccaccaggc aggtcacttg gagcagaaaa attggttttc   720

ccctcggtct caggcctgaa gttgcacctc agggttggct ttcagctgta cctgtggaaa   780

gtatggtttt aaaaatctaa gatagctatc atgcagcaag gcttgtgtaa aatgtctatt   840

tggttccttt atgacttact tttgctgtac tgaggatcaa acctagggtc tcaagcagtc   900

atcacaattc tctgtcactg atccagctcc atttctattt tcttttgtcc cgcgcgatct   960

ctcgccagca agaaaacacg ctagggacat acgaatcctt gctgcagcca aaacttttat   1020

tgaatcttaa ggagaagccc gcgcaccgga ctggcgcggt ttatatacac cctagcacag   1080

tgcatccaca   1090

<210>   7
<211>   45 base pairs
<212>   DNA
<213>   Homo sapiens

<400>   7

aatccaagct tgcggccgat caggccgaat atgcggccgc attat   45

<210>   8
<211>   47 base pairs
<212>   DNA
<213>   Homo sapiens
<400>   8

agctataatg cggccgcata ttcggcctga tcggccgcaa gcttgga   47